

ABSTRACT OF THE DISCLOSURE

A ~~packet transmission~~ method for transmitting packets classified according to a ~~quality of service (QoS)~~ QoS requirement from a transmitting node to a receiving node is provided~~[[.]], [[In]]~~ the transmitting node, ~~the steps of:~~ being configured to select ~~selecting~~ sequentially a QoS class~~[[;]],~~ to divide ~~dividing~~ a queued packet to be transmitted, which ~~belongs~~ belonging to the selected class, into a plurality of predetermined data units, ~~[[and]]~~ to transmit ~~transmitting~~ one of the ~~obtained~~ predetermined data units~~[[;]],~~ and to apply ~~applying~~ a transmitter-side retransmission control process to the data unit to be transmitted when the selected class is a QoS class specified for data type packets, and ~~are provided.~~ In the receiving node, ~~the steps of:~~ being configured to receive ~~receiving~~ sequentially the data units transmitted from the transmitting node~~[[;]],~~ to assemble ~~assembling~~ a plurality of received data units to ~~decompress~~ restore an ~~[[the]]~~ original packet for each QoS class~~[[;]],~~ and to ~~apply~~ applying a receiver-side retransmission control process to the received data units ~~to be assembled~~ when the received data unit belongs to one of the data type QoS classes specified ~~for the data type packets are provided.~~